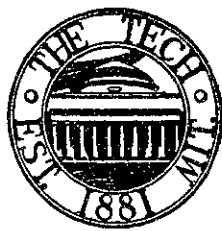


The Tech



"Let's Set The Rising Sun"

Vol. LXII, No. 51

CAMBRIDGE, MASS., FRIDAY, DECEMBER 4, 1942

PRICE FIVE CENTS

The Tech, Vu Hold Banquet Saturday Night

Gen. Waitt & Killian To Address Group; Boards To Be Named

Brigadier General Alden H. Waitt, 14, of the Chemical Warfare Service of the United States Army, and Mr. James R. Killian, Jr., Executive Assistant to Dr. Compton, are to be the principal speakers at The Tech Banquet, which is to be held beginning at 6:30 P.M. tomorrow evening at the Hotel Statler.

General Waitt was general manager of The Tech, Volume XXXIII, nearly thirty years ago. Among the other guests at the affair is to be Mr. Stanley G. H. Fitch, who was general manager of the publication in 1900. The other guests for the evening are to be: John J. Rowlands, Director of News Service for the Institute; Edward L. Moreland, Dean of Engineering Administration; James R. Killian, Jr., Executive Assistant to the President; Ralph T. Jope, Business Manager of Technology Review; Professor Leicester F. Hamilton, Department of Chemistry and Chairman of the Dormitory Board; Dean Harold E. Lobdell, Dean of Students; Professor Frederick G. Fassett, Jr., Editor of Technology Review; and Mr. Kenneth R. Sutherland.

Elections To Be Announced

One of the features of the affair is to be the announcement of the elections of members of the Class of 1944 to Senior Board positions, Sophomores to Junior Board positions, and freshmen to the status of reporters.

The freshman positions will be decided by results of a point contest which closed last night. All board positions are the result of the election by the retiring boards.

Pledges Initiated Into Beaver Club

Twelve Juniors Join; Pilfer Refreshments

Last Wednesday night at 8:00 P.M. at the Hotel Lennox, members of the Beaver Club initiated their new pledges, chosen last week from the Junior class. Things did not go off exactly as planned, however, because several of the initiates had arrived before the members and had sampled the refreshments. Unfortunately these were strong enough to render the usurpers insensible to further initiation.

After each one of the initiates had performed his errand, the group settled down to an evening of fun. Twelve Juniors were initiated. They were Frederick J. Blatz, Seth E. Bransby, Edward H. Cumpston, Jr., Harry L. Dickey, Sten Hammerstrom, Malcolm McFaul, Jr., Arthur F. Peterson, Jr., Vance G. Raynsford, Samuel K. Taylor, Lewis Tyree, and James Woodburn III.

Sunday Trip Last Of Year For O.C. Rock Climbers

The Rock Climbing group of the Outing Club will take its last trip this year this week-end. The climbers are to leave at 9:00 A.M., Sunday, December 6, from the steps of Walker Memorial for Rattlesnake Cliffs or the Railroad Quarries.

Those going on the trip are to bring their lunch, sneakers, and wear warm clothing. The charge for transportation should be about 40c. Leader for the group is Olva R. Anderson, '45.

Last Performance Of Weather or Not Will Be Tonight

Tonight the M. I. Tinerants will present for the last time, their original musical comedy, "Weather or Not" at the Peabody Playhouse in Boston. The play was given on Wednesday and Thursday to full houses and the final performance is expected to do as well. Tickets are \$.55 and \$1.10.

The play was written by Arthur Roberts, Katherine Bolt, and Professor William C. Greene, and the music was prepared by Hassler Einzig, Director of Music in the Arlington Schools. The cast is made up from the faculty and the research staff.

The story deals with a group of feminine research workers who leave Technology and go to Russia because they are not appreciated. There they invent a machine for making weather. The first trial of this machine is witnessed by several Institute research workers on unofficial vacations. At first it doesn't work, but everything turns out all right in the end.

The part of the heroine, Dr. Minerva, is taken by Mrs. Carole Havens; the hero, Ivan Ivanovitch Ivansky, a Russian Russian, is portrayed by Zigmund Wilchinsky; President Compton, President Conant, and Barnard Baruch are burlasqued by Irving Lovell, Professor S. C. Brown, and Roy Prince. General Beep (he runs in army circles) is played by John Kessler. Butterfly Higgins is Mildred Zwicker, and the British Ambassador is John Carpenter.

Frosh Compulsory Date Next Fri., December 11

The third compulsory date for the dormitory freshmen must be had next Friday night, December 11. The Agenda, honorary Sophomore society, has announced that all dormitory freshmen must report with their dates to the Burton Room before 8:00 P.M. that night.

The two previous compulsory dates were the Dorm Acquaintance Dance held in Morss Hall on October 2, and the date for Field Day night on October 30.

'Baggers Use Acres Of Paper According To Coop Records

Did you ever stop to think how much paper is consumed by students at Technology? Have you any idea of how many texts are sold annually? Did you ever try to guess the number of cigarettes bought at the Coop in one week? How much do you think the students spend for clothing accessories alone?

In an interview with Mr. Rice, manager of the Technology branch of the Harvard Co-operative Store, it was learned that practically all the students purchase all their paper at the Coop. From figures on student purchases alone, not including any wholesale, it was discovered that students use over 2,450,000 square feet of paper in a year, enough to cover over thirty-five acres. This figure is a twenty-five percent increase over last year, and this year paper manufacturing is down fifty percent! When the shortage will hit, Mr. Rice could not predict, but it has to come soon.

Types of Paper Used

Math alone takes up 600,000 sheets annually. Physics absorbs an equal amount. Line filler is a little less in demand, plain type-writing paper is a little greater.

T E N Banquet Will Be Dec. 7

Magazine Features Interesting Articles

Editor-in-chief John A. Sibley, '43, of Tech Engineering News announced today that the annual T.E.N. banquet will be held Monday, December 7 at 6:45 P.M. in Pritchett Hall, on the occasion of the new November issue. This year's affair will be informal, Sibley stated.

The main feature of the evening will be a talk by Mr. Donald Fink, managing editor of Electronics magazine. After the speech, the members of next year's Junior and Senior boards will be announced. All members were urged to attend the affair, the banquet being free to all members of the present Junior board and Senior board. The charge to freshmen and Sophomore members of the magazine is one dollar.

The new Tech Engineering News will be sold on Tuesday and Wednesday after the banquet. "This month's issue contains many articles of interest, and is a decided improvement even over previous issues," Sibley stated.

One of the articles will be "The Betatron," by Dr. Donald W. Kerst, of the University of Illinois Department of Physics. Dr. Kerst makes the ordinarily highly technical subject of the betatron, really a cyclootron for electrons, easily understandable to one who has an elementary knowledge of the atomic and the ionic theories.

"Glass Gets Tough," by the Libbey-Owens-Ford Glass Co., tells of the latest improvements in the industry. Outstanding among improvements in this industry is a new type of glass which will withstand the tremendous instantaneous heat change of ice to molten lead, support ten times as much weight as ordinary glass, and bend to a remarkable degree. Also described are methods for increased speed of glass production, and other types of special glass.

A third article, by Alan S. Michaels, '44, tells of the strategic significance of the cable industry in the war's communication problems. Michaels tells of the difficulties involved in weight, strength, (Continued on Page 4)

Twelve Groups Compete For Baton Society Cup In All-Tech Sing Tonight

Nominees To Be Named For Upperclass Offices

Nominations for the offices of permanent president, permanent secretary, and class marshals for the class of 1943, and class officers and Institute Committee representatives for the class of 1944, are due no later than 5:00 P.M. December 10. Nomination blanks may be obtained at the information office and should be deposited in the nomination box in the same office upon completion.

Elections will be held from 9:00 A.M. to 5:00 P.M. on December 16.

Dance To Music Of Student Band After Competition

Tonight at 8:30 P.M. the annual All-Tech Sing will get under way in Morss Hall and all lounges of Walker Memorial. Twelve organizations will compete for the silver cup being presented by the Baton Society, honorary musical organization.

The sing, under the direction of Barrett B. Russell, III, '43, will run from 8:30 P.M. till 1:00 A.M. in the morning, and will include dancing after the presentation of the cup. The Techonians, Technology's new orchestra, are to play for the dancers.

Groups Competing

The following is a list of the groups competing and their selections for the evening: Alpha Tau Omega, "Road to Mandalay"; Phi Beta Epsilon, "Break Forth O Beauteous Heavenly Light"; Phi Gamma Delta, "Army Air Corps Song"; Delta Tau Delta, "Old Man Noah"; Sigma Alpha Epsilon, "Dear Land of Home"; Sigma Nu, "In a Little Red Schoolhouse"; Student House, "Po' Old Lazarus"; Walker Staff Octet, "Girl of My Dreams"; Phi Kappa Sigma, "Old Songs"; Phi Delta Theta, "Loch Lomond". Delta Kappa Epsilon and Lambda Chi Alpha are also participating, but they as yet have not made their selections known.

The program will start off with the M.I.T. Classical Orchestra, under the direction of Mr. George S. Durham, playing Serenade and (Continued on Page 4)

Military Society To End Initiation

Initiates To Undergo 15 Mile Hike Tonight

Initiates for the Scabbard and Blade Society raced through the obstacle course yesterday in an average of 38 seconds. This is only a part of the activities the initiates have been doing for the past week.

Dressed alike in blue denim trousers, white shirts, and black ties, and carrying rifles, these future members of the Scabbard and Blade have been much in evidence around the Institute. One of the initiation duties was to stand guard in the Lobby of Building 10 by the list of World War I dead there and in the corridor of the Department of Military Science on the second floor of Building 5. They have been memorizing and reciting rules, attending lectures, and drilling two hours a way for the past several days.

All of the initiation requirements will be terminated tonight in a 15 mile hike under a full 40 pound pack and 9 pound rifle. The hike follows a banquet in Pritchett Hall, Walker Memorial, and is to begin about midnight. Last year the hike was 14 miles long in the vicinity of Concord. This year the 15 mile hike will terminate at the Battlefield at Concord where the formal initiation will take place sometime about 8:00 A.M., Saturday.

The initiation activities have been designed to toughen-up and better suit the men for military service, according to William T. van Ravenswaay, '44, a first sergeant in the society. The annual Scabbard and Blade Ball has been scheduled for sometime in January.

Constitution Change For Walker Comm. Vetoed By Solons

Frosh Council, 5:15, Nautical Association Elections Approved

After a long discussion of the potentialities of the motion by Robert W. Maxwell, '43, chairman of the Walker Memorial Committee, and Kenneth R. Wadleigh, '43, of the M.I.T.A.A., a motion to change the constitution of the Walker Memorial Committee was defeated by the Institute Committee at its regular meeting yesterday afternoon at 5:00 P.M. in Litchfield Lounge.

This motion asked that the phrase "activities of a non-athletic nature" be struck from the constitution of the Walker Memorial Committee. This left the motion reading that the committee should "coordinate undergraduate extra-curricular activities." According to Wadleigh this would practically give the Walker Memorial Committee control over the M.I.T.A.A. He also said that he feared that in this future this control might seriously limit the activities of the A.A.

Wadleigh also went on to explain the changes which have been made in athletics at the Institute during the past year and which have caused the trouble in scheduling events. Maxwell presented his principal argument in favor of the motion on the grounds that the Walker Memorial Committee could not properly make plans for the use of Walker without knowing the Athletic schedules. He said that this year they had not been receiving the schedules, and that this motion was designed to make it easier to get that information.

In a motion which had to be made retroactive to cover the elections just held, Waldo F. Davis, '43, moved that the 5:15 Club constitution be changed to allow them to hold their elections during the first week of December for the duration. He also (Continued on Page 4)

Alpha Phi Omega Blood Drive Starts Monday

At Noon Monday, December 7, the anniversary of Pearl Harbor, Alpha Phi Omega, international scouting fraternity, will start a blood drive for the Red Cross which will last for the duration of the war. Donors can sign up at a booth in the main lobby from 12:00 to 2:00 P.M. any weekday.

Alpha Phi Omega will also start a canvass of the Institute, the dormitories, fraternities, and the 5:15 club to locate blood donors.

The Tech



Vol. LXII

Friday, December 4, 1942

No. 51

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Grove Fire Victim Recovers Slowly

John J. Billings, '45
Pulls Through Crisis

According to the latest report, John J. Billings, '45, who was injured in the Cocoanut Grove disaster last Saturday night, is improving slightly at the Boston City Hospital, where he was taken at the time of his injury. Although he is still on the danger list, he has pulled through a crisis, and it is believed that he may be able to have visitors within the next week or so.

Billings, who was the only Technology student injured in the fire which took the lives of three undergraduates among its 490 victims, came from Sao Paulo, Brazil. He had gone to the Red Cross with some other men from his house on Saturday morning and had donated a pint of blood to the Red Cross blood bank. Coming to the Institute after serving for six months in the Brazilian Army under its draft law, he was on his class' tug-of-war in his freshman year.

Both Billings' father and brother went to Technology, his brother being Art Editor of Voo Doo in 1928.

T.C.A. Elections To Be Held Jan. 6

In a meeting held last Wednesday, the T.C.A. Senior Cabinet voted to hold its annual elections on January 6, instead of late in the Spring as has been done in previous years. It also made provisions to send flowers for the funeral of Raymond F. Sullivan, '43, a victim of the Cocoanut Grove fire. Sullivan was active in the T.C.A. in past years, having held the positions of Director of Freshman Advisors and Director of the Book Exchange.

A committee to study the feasibility of the T.C.A. holding an acquaintance dance was appointed. This committee is comprised of Frederick J. Blatz, Jr., '44, Halbert S. Gillett, '45, and Horace T. Robson, '45. Robert P. Slusser, '45, was named a committee of one to investigate the possibility of the T.C.A. sponsoring a series of marriage lectures to be held next spring. In the past Professor F. Alexander Magoun has given such a series, but he is now doing government work and is no longer at the Institute.

Coop Statistics

(Continued from Page 1)

000. Stationery, including slide rules and drawing instruments, things that are fairly durable, yielded \$58,000. The total, including other things, netted \$137,000. Mr. Rice regretted that the luncheon counter netted only \$11,000 in the four months period, but he said, "It takes a lot of nickels to make a dollar." The barbershop alone, Mr. Rice added, brought in \$5,670 for about 10,000 haircuts in four months.

Cigarettes and Slide Rules

Mr. Rice said that it is surprising how many Technology students do not smoke, and how few of those that do smoke obtain their cigarettes from the Coop. Yet, the five leading brands pour out of the Coop at a rate of 60,000 a week. The money from the stubs would send three students to Tech. Each could live in a fraternity, and have plenty of cigarette money.

That mark of distinction of a Technology student, his cane, his weapon, and his only needed tool for success (besides a brain) the slide rule, costs the Technology students \$5,500 a year.

"The impending shortage of slide rules," stated Mr. Rice, "is going to be very serious." The jewel-like machines that count out the logs on the slide-rule wear out and cannot be replaced. And with a paper shortage arriving, it is feared that Tech students may have to resort to the abacus.

For Boys To Play

By Gene Schnell

A busy weekend confronts the members of the Institute for the next few days, when the events start falling so fast that only Superman could attend them all. If one were to try to take in all the events of this evening alone, he would have to start in the Walker Gym at seven o'clock, and watch the freshman basketball team as they face the boys from up the river. He would be all right until 8:30 when he would have to become a dual personality and have his better half go down to Morris Hall and listen to the All-Tech Sing, while the rest of him remained at the gym for the varsity basketball game against Harvard.

Following the basketball game, the half at the game could go down to the dance to be given by the Combined Musical Clubs following the concert. However, in order to attend all the events of the night he will instead have to hop across the river to the Hotel Kenmore where the Phi Sigma Kappas are holding their annual Fall Formal. Bert Edwards' orchestra will supply the music, in the Crystal Room. This is the same room in which the freshman Prom was held last spring, and although it was packed for that dance, the boys from Phi Sigma Kappa figure that it ought to be just about the right size for a regular fraternity dance.

Although no punch is going to be served by the house, the boys figure that the Mural Lounge across the hall ought to fill the bill. Much worry was caused at the beginning

of the week because of the ruling clamping down on night spots, but this dance is still definitely on, and it has been determined that the ruling will not affect private parties in hotels.

Saturday the activities start early, and in order to go everywhere our superman is going to have to be at Harvard at 2:30 in order to see our wrestlers meet the Crimson. By three o'clock, at least half of him will have to be back at the Alumni Pool to watch the varsity swimming team face R.P.I. in an attempt to start the season off with a win.

After the swimming meet he can get a few minutes' rest if he needs it, but if he is a member of The Tech's staff, he will have to be at the Statler for the annual banquet at 6:30. If he isn't, on the other hand, he can sleep until time to go to the hockey game at the Boston Arena, at 8:00 P.M. As he is already at two places, he might as well get in a third, by going to the Chi Phi annual Fall Formal at their house at 22 The Fenway. Here, to the music of Bert Edwards' orchestra again, the Chi Phis, their dates, and other couples will dance from nine to one with many intermissions for a short sea breeze, the drink which Technology fraternities are now vying with Dartmouth houses for the honor of serving the most.

Sunday afternoon, if there is anything left of the brave soul who started out to do everything, he can attempt to show his prowess on the Obstacle Course behind the rifle range.

TRAFFIC JAM

As is obvious to the most unobserving layman, the railroads are performing a tremendous task in moving masses of men and materials to the places where they can be most effectively utilized in the advancement of our war efforts. The strain on the nation's rail facilities, however, is becoming increasingly acute, particularly in the passenger service. The Pullman Company, for instance, will have transported some 7,000,000 troops in organized movements at the end of this year alone, and on certain days half of the company's entire fleet of sleeping cars is "in the service."

Take this mounting military traffic, add the hundreds of thousands of civilian travellers engaged in essential war work, and then throw in hap-hazardly one hundred thousand or more college students homeward bound for the holidays, and it is evident that an epic traffic jam temporarily paralyzing America's production and military programs could result. Fortunately, most schools, Dr. Guy E. Snavely of the Association of American Colleges reports, are aware of the danger and are staggering vacation dates so that no more than one college in a single area will close or re-open on the same day. But there must be individual cooperation by the students, also, if troop movements are to be made on schedule and if vital war materials are to reach factories and docks on time.

Students who plan to travel during the Christmas vacation would do well to obey the following simple rules: make Pullman reservations early so that railway men may gauge the traffic and make adequate preparations, cancel reservations promptly if plans are changed, take as little luggage as possible in order to minimize the storage problem, and accept available accommodations cheerfully.

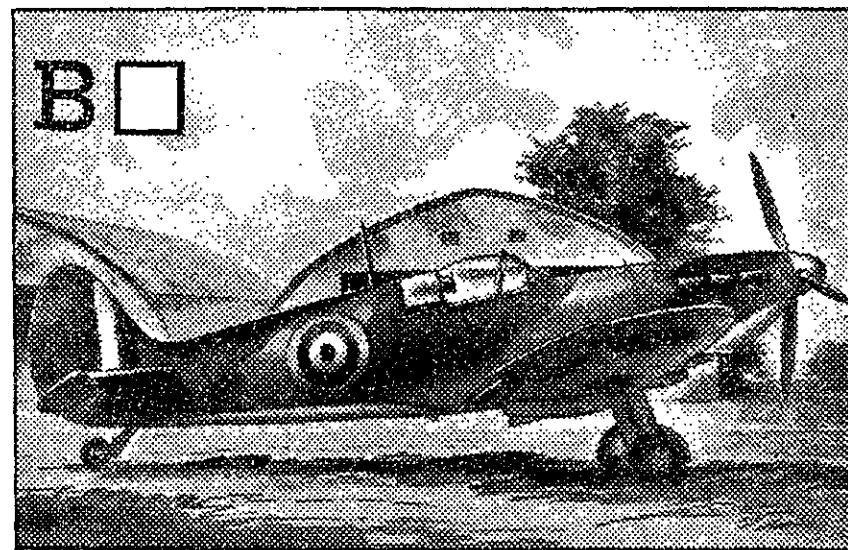
Few restrictions have thus far been placed upon civilian travel. Willing public cooperation in the observance of such simple voluntary rules as the foregoing has been a big factor in making this excellent railroad performance possible. College students, as members of the public, can do their part by also observing these rules, particularly during the critical holiday period that is three weeks off.

A STEADY FLOW OF BLOOD

The value of blood plasma as a saver of human lives was clearly and forcefully demonstrated to the Boston public last weekend when that single item afforded 150 victims injured in the Cocoanut Grove fire the means of successfully combating their almost fatal wounds. The same fact has been constantly impressed upon the minds of medical men with our armed forces abroad who have watched the transported plasma perform miracles in military hospitals.

To insure a ready supply of this vital war material is the purpose of the Red Cross and Alpha Phi Omega, honorary scouting fraternity, who launch a permanent Technology drive for blood next Monday. From that date until the end of the war, Technology staff and students will be able to make reservations for blood donations in the Main Lobby of Building 10 any day from 12:00 until 2:00.

It has been evident from past contributions that most Technology men have refused to take seriously the Red Cross' eager plea for blood. Now perhaps, with the dire need for donations emphasized by last Saturday's catastrophe, they will make amends for their former indifference.



WHICH would you vote "most likely to succeed?"

"The Aircraft Warning System gives a single plane on ground alert the equivalent striking power of 16 planes on air patrol." This startling statement comes from England.

Our country's Aircraft Warning Service—quite similar to England's—keeps a constant check on the flight of all aircraft. Should the need arise, it is prepared to send fighter planes aloft, to mobilize and direct ground defense forces, to warn endangered areas. Every step in its operation requires the fast, accurate communication of the telephone.

This is just one of the many wartime jobs that are keeping telephone lines busier than ever before. To help us keep lines clear for vital military and industrial calls, please avoid using Long Distance to war activity centers unless the call is urgent. And please keep all your telephone calls as brief as you can. Thank you.



CAGERS TO PLAY TONIGHT

Will Open Season Against Crimson Frosh Also Play

The Beaver basketball teams, both freshman and varsity, open their seasons tonight in games with Harvard in the Walker Memorial gym. The freshman game begins at 7:00 P.M., and the varsity teams begin their game at 8:30 P.M.

Last Friday the varsity won an unofficial practice game with Northeastern by the score 35-27 and were scheduled to play them in another scrimmage game Tuesday night, but the N. U. team was unable to get here.

No official line-up was issued for the varsity, but the following is a list of returning men headed by this year's captain George Marakas, '43, who lead the scoring for the Tech team when they played Harvard last year. Last year lettermen are: Tom Dolan, '43; Caieb Taft, '44; Angel del Valle, '43; Alfred Hart, '44; Andrew Hillhouse, '43; George Schutte, '44; and Jim Woodburn, '44. A couple of promising non-lettermen are Alvin Brodie, '43, and Fred Heuchling, '45. As it was announced earlier this week, Taft sprained his ankle in the Northeastern game and will probably not be able to play tonight.

The freshman team which started out strong against the Crimson last year, lost out in the second half because of the lack of substitutes. This year's team starts out advantageously with from 18 to 20 men in the line-up, but they have been seriously handicapped by the few practices they have been able to get in before their opening game. Coach for the freshman this year is Ed Swanberg, '43.

The varsity team is not in the best shape possible but is working hard, according to manager George Rosenblatt, '44.

The team's schedule for December is as follows:

- December 4—varsity and freshmen vs. Harvard, here.
- December 8—varsity and freshmen vs. Lowell Textile, here.
- December 10 — varsity vs. Northeastern here.
- December 12 — varsity vs. New Hampshire, there.
- December 15—varsity and freshmen vs. B.U., there.
- December 17—varsity vs. Tufts, there.

12 Teams Entered In Obstacle Race On Sun. Afternoon

Beaver Key Society Introduces New Event In Intramural Series

Gary C. Myers, '44, chairman of the Beaver Key Committee on the obstacle race, announced last night that 12 teams had entered the obstacle race up to 6:00 P.M. yesterday. The teams were Phi Delta Theta, Kappa Sigma, Phi Gamma Delta, Sigma Chi, Delta Kappa Epsilon, Phi Kappa Sigma, Chi Phi, Lambda Chi Alpha, and Sigma Alpha Epsilon from the fraternities, The Student House and Bemis and Goodale in the dormitories. Tonight from 4:00 P.M. until 6:00 P.M. Roland Grandgent, '43, and Jim T. Harker, '43, will coach any students who may want to practice for the obstacle race this Sunday. All teams are urged to attend this session tonight since this will be their only chance to receive good instructions on how to cover the course in the least possible time, which is the whole object of the race. The winning team will receive 15 points towards the Beaver Key Sports Trophy. The race will be held as scheduled on Sunday at 3:00 P.M. regardless of the weather, and it will be run over the army obstacle course behind the rifle range.

Mermen To Open Season Against R.P.I. Tomorrow

Sophs Are Expected To Strengthen Team According To Coach

Forming its nucleus around last year's freshman team the varsity swimming team will open its season in the Alumni Pool tomorrow at 3:00 P.M. Rensselaer Polytechnic Institute will be the opponent in the meet.

According to coach Gordon Smith, the team stands a good chance of winning this meet, in view of the improved team which the Institute has this year, and the closeness of all events in the R.P.I. meet last year. Although the score last year was 40 to 35, all the events of the meet were very close, and anything could have changed the results, according to Coach Smith.

This year with men such as Jim Leonard, Russ Foust, and Doc Bressler, coming up from the freshman team, the varsity team stands quite well with its returning letter men such as Jack Hunn, Bob Reebie, Ed Cochran, and Hal Gershnow. Missing in the starting line up of the team this year, is Henry Tiedemann, captain of the team, who is unable to swim this year.

Awards Given At Track Club Dinner

Horace S. Ford Talks At Affair In Walker

Last Tuesday evening, December 1, the Track Club held its annual banquet at 6:30 P.M. in Pritchett Hall of Walker Memorial. Ed Czar, '43, was toastmaster.

The principal speaker of the evening was Mr. Horace S. Ford, treasurer of the Institute, who gave a talk about Technology and its war program. He also showed some color movies depicting the growth of Tech during the war.

The dinner, attended by 65 track men, was for the purpose of initiating the new members and to present the Sophomore relay team, winner of Field Day, with their numerals. Americo Almeida, '44, manager of the track team, gave a list of the coming meets of the track team with other schools. The list included meets through May.

During the evening, Oscar Hedlund, coach of the team, gave a brilliant speech urging the track men to keep coming out for the teams and to bring all other men that might be interested with them. He said that they had been ousted from the excellent facilities at Briggs Field House, but they were going to carry on. "Even if worse comes to worst," said Oscar, "and we have to run up and down the banks of the Charles, we'll do it and we'll be stronger than ever."

Sid Hall, '43, captain of the team, gave a report on the team's progress during course of the season, and stated that things looked bright for the rest of the year because of a good strong team and some very promising freshmen.

The First Church of Christ, Scientist

Falmouth, Norway and St. Paul St.
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Sunday Services 10:45 a. m. and 7:30 p. m.;
Sunday School 10:45 a. m.; Wednesday evening meetings at 7:30, which include testimonies of Christian Science healing.
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333 Washington St., opp. Milk St., entrance also at 24 Province St.; 24 Boylston Street, Little Building, Street Floor; 60 Norway St., corner Massachusetts Ave.; 1516 Beacon Street, Coolidge Corner. Authorized and approved literature on Christian Science may be read or obtained.

WEEKEND SPORTS

Friday, December 4

Basketball vs. Harvard—here

Freshman—7:00.

Varsity—8:30.

Saturday, December 5.

Varsity Swimming vs. R.P.I.—here, 3:00.

Varsity Wrestling vs. Harvard—there, 2:30.

Varsity Hockey vs. Boston U.—Boston Arena, 8:00.

Tech Puckmen To Play Initial Game Saturday

Will Engage Boston University Terriers On Boston Arena Ice

With a much brighter outlook this year, due to the return of many lettermen the Tech hockey team will open its season tomorrow night against the Boston University Terriers. The squad has also been strengthened by the appearance of several very promising sophomores two of whom have gained positions on the starting lineup. The game will get underway at 8 o'clock in the Boston Arena and the tickets will be on sale at the doorway for \$5.00.

In an informal scrimmage last week against the Jumbo icemen the Beavers looked promising, the final score being 3-3. Seven lettermen have returned to see action this season including Captain Fred Kaneb who was named all-New England defense man as a result of his outstanding play last season. Others returning are Dick Bettes, Johnny White, Bob Gillen, Bill Verrochi, Johnny Burdakin and Roger Patterson. Sophomores who are expected to see action in the coming campaign are Charlie Seifert, Dick Merrow, Bud Willard, Russ Noreen, and Paul Cook.

A new ruling which is expected to open up the game considerably and put more emphasis on speed and deception instead of power plays will go into effect in the fracas. The ruling states that the teams can pass from their own defensive zone over their own blue line into the neutral zone.

At the beginning of the season the pucksters were badly in need of a goalie but Al Lashjian and Bob Mason have shaped up well and though it has not been decided which man will start, the net is assured of adequate protection from flying rubber. The team is well balanced this year with a fast skat-

Tufts Is Defeated By Score Of 31-5 As Grapplers Open Season

SAE Undeclared In Beaver Tourney; Three Games Left

With but three games left to play in the tournament for the Beaver Key football trophy, SAE has already won the trophy unofficially. Undeclared, the team has three points, far above all other contestants. Closest competitors of the potential winner are Sigma Chi and Senior B, with one point each, while Theta Chi and Senior A trail with one-half point each.

The three games still unplayed are as follows: Saturday, December 5—Sigma Chi vs. Theta Chi and S.A.E. vs. Senior A; Sunday, December 6, Theta Chi vs. Senior B.

Dorms and Houses To Meet At Briggs

Tomorrow afternoon at 2:00 P.M., Oscar Hedlund, coach of the track team, is putting on another track meet to keep up spirit among the runners. This time the Dorms and Commuters will battle against the fraternities.

There will be six events: forty yard dash; two lap race; four lap race; six lap race; 28 pound weight; and twelve pound shot. The first five places in all events will score. The first place taking five points and so on down the line to the fifth place which will take one point.

According to Oscar, this is the first meet ever held between the two groups, and there should be some lively competition. The Dorms and fraternities have always been competitors, so this meet will give them a chance to try their strength.

ing and good passing line backed up by a big and powerful defense. The squad hopes to repeat its defeat of B.U. of last year and at any rate a fast and exciting game will be in store for those attending.

The stickmen will have no rest, however, for next week they face the Northeastern University pucksters in the Boston Arena on Tuesday, and the Crimson hockey squad

(Continued on Page 4)

Matmen Will Meet Crimson Varsity Saturday At 2:30

In a smashing victory of 31 to 5 over Tufts last night, Technology's grapplers gave promise of continuing their winning habits of recent years. Tufts' wrestlers came, saw, and were conquered by a Tech team that proved far better than fondest expectations.

Tufts got off to a good start in the 121 pound class, and it looked to some that they would go through most of the weight divisions with the same degree of victory. Henry Der of Tufts defeated Joe Aguila of Tech by a fall in one minute and 35 seconds.

In the 128-lb. division, though the contestants were more closely matched, Bob Fettes of Tech met Roger Caron of the Medford squad, and downed him in 2:18.

Schwarzmann of Tech, in the 136-lb. class was up against Tuft's Rome. A quick fall was registered by Schwarzmann in 1:11 of the first round for another five points.

This fall was followed by a wide decision in the 145 lb. division, gained by Knapp of MIT over McIlvin of Tufts. The 155-lb. match featured Damsgaard of Tech over Wilson of Tufts. Wilson bowed in 1:57 of the first round giving Tech an 18 to 5 lead.

Ackerman, Tech's entrant in the 165-lb. division felled his opponent, Lister, in the comparatively slow time of 3:24. This gave Tech a wide advantage with but two bouts left.

The remainder of the match, following the general trend of the first few bouts, consisted entirely of falls made by the Beavers. Schaeffer floored rugged Ringer of the Medford squad in 2:12, in the 175-lb. class. This was followed by the quickest fall of the night, when Masnick, Tech's heavy, floored Griffee of the Jumbos in but fifty-eight seconds of wrestling. These last two falls gave Technology victory, with a total of 31 points to Tufts' 5.

Coach Lutz's scrappers saw the defeat of Tufts as an indication of a season possibly even more suc-

(Continued on Page 4)

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Russian Relief Dance Tomorrow

Ruby Newman Orchestra To Play In Walker

Tomorrow night at 8:45 P.M. the Winter Festival of the Russian War Relief Committee will be held in Morss Hall, Walker Memorial. Those who attend will dance to the sparkling music of Ruby Newman's orchestra.

This is the second dance to be given for Russian War Relief this year. At the last affair, the Autumn Festival, many girls, including ninety-seven from Wellesley, were present, but there were not many stags. This time a floor show is planned, which is to include Russian dances and folk songs.

Tickets are \$.66 each and have been on sale in the Lobby of Building 10 and will be on sale at the door tomorrow night.

Air Corps Cadets Are Graduated

Ninety-nine aviation cadets were awarded commissions as second lieutenants in the United States Army Air Forces when the special war class in meteorology was graduated at 10:00 A.M. on Monday, November 30. Graduation exercises were held in Horticultural Hall, Boston. Ten ensigns of the United States Navy and ten civilian students who were assigned to the course by the United States Weather Bureau were also in the graduating class. The class began its intensive training program last March.

Speakers at the graduation exercises included Colonel Clyde V. Finter, Commanding officer of the Boston Army Air Forces Division School Area; Colonel Paul L. Johnston, regional control officer of the Fourth Weather Region; and Professor Henry G. Houghton, who supervised the group's meteorological course at the Institute.

Reunion Of '42 Surveyors Planned For Wednesday

The Alumni of the 1942 session of Camp Technology, the Institute's summer surveying camp, will hold a reunion next Wednesday evening, the time to be announced in Monday's issue of The Tech, in the Faculty Lounge.

The affair is to include a skit to be produced by the students, a moving picture of the summer's activities, which will be shown by Ping Kan Fung, '44, a dinner and an informal "bull-session" among the students and those members of the instructing staff who were present at the camp.

Frank E. Carroll, Jr., '44, chairman of the reunion has announced that a meeting will be held at 2:00 P.M. tomorrow in the Litchfield Lounge. At this meeting the skit is to be prepared, and so Carroll has asked that as many students as possible be present at the meeting.

Debating Society To Meet Brown Univ. Team On Sat.

On December 5, at 5:00 P.M., the M.I.T. Debating Society will meet a team from Brown University in Walker Memorial to debate the official N.A.T.S. question. This question concerns a federal union of the United Nations. Representing Technology in this event will be Herbert Greenwald, '44 and James M. Smith, Jr., '45, who will uphold the negative side.

At 7:00 P.M. on December 6, the evening after the Brown debate, a team from Brown University will oppose the representatives of the Institute on the same question. The men from the Institute will argue the affirmative. Debating Society men will be: Edward Eich, '45, Vincent E. Lally, '45, and Robert Schwartz, '45.

CALENDAR

FRIDAY, DECEMBER 4

6:30 P.M. Scabbard and Blade Meeting—Pritchett Hall.
8:00 P.M. All-Tech Sing—All Lounges and Morss Hall.
8:00 P.M. Basketball vs. Harvard—Walker Gym.
8:30 P.M. Play "Weather or Not"—Peabody Playhouse.

SATURDAY, DECEMBER 5

1:30-6:00 P.M. Bridge Club Tournament—Tyler Lounge.
2:00 P.M. Camp Technology Alumni Meeting—Litchfield Lounge.
3:00 P.M. Swimming vs. Rensselaer—Alumni Pool.
5:00 P.M. Debate vs. Brown—Walker Memorial.
6:15 P.M. Nautical Association Dinner—Pritchett Hall.
6:30 P.M. The Tech Banquet—Statler Hotel.
9:00 P.M. Russian War Relief Dance—Morss Hall.

SUNDAY, DECEMBER 6

9:00 A.M. O. C. Rockclimbing Trip—Leaves Walker.
2:00-6:00 P.M. Bridge Club Tournament—Tyler Lounge.
5:00 P.M. Debate vs. B.U.—Mt. Vernon Church.

MONDAY, DECEMBER 7

6:45 P.M. T.E.N. Banquet—Pritchett Hall.

Bridge Club Intramural Tourney Starts Tomorrow

The qualifying round of the Bridge Club intramural championship will be played beginning 1:45 P.M. on Saturday, December 5, in the Tyler Lounge of Walker Memorial. Those interested should sign up in pairs in Building 10 today. This is the last chance to enter the tournament.

The final round will be played at 2:00 P.M. on Sunday, December 6, in the Tyler Lounge. The winners will receive an engraved cup, and the members of the second place team will receive \$.50 in war stamps each.

Institute Committee

(Continued from Page 1)

moved that elections held last week be approved.

The freshman council elections, and their election of the Institute Committee representatives and secretary-treasurer of the class of '46 were approved without discussion, as were the elections of the officers of the Nautical Association.

The budget of the All Tech Sing amounting to less than \$200 was approved, Frank Briber, '43, chairman of the Budget Committee, announced that the Budget Committee had funds to cover the \$100 deficit allowed for in the budget.

Absent from the meeting were James T. Harker, '43; George C. Marakas, '43; Robert C. Meissner, '43, and Robert J. Schaefer, '43. George A. Schutte, '44, and Langdon S. Flowers, '44, were represented by proxies, and John F. Burke was late.

The next regular meeting of the Institute Committee will be held at 5:00 P.M., December 17, in Litchfield Lounge.

Wrestlers Beat Tufts

(Continued from Page 3)

Successful than last, for they bowed in 1941 to Tufts by a 38 to 23 count. In last year's game Tufts lead throughout, though not by as wide a margin as Tech did last night.

Tomorrow Tech will try to score another win, this time over Harvard. The task should not be difficult, for Harvard was beaten 18 to 16 by last year's wrestlers.

Nautical Association To Hear Prof. Simpson

Professor Stephen G. Simpson, Course E, an amateur magician, will be guest of honor at the Nautical Association's dinner dance to be held tomorrow at 6:30 P.M. in Pritchett Hall, Walker Memorial. A large turnout is expected.

Lt. W. C. "Jack" Wood, who put the organization on its present efficient basis will be unable to attend, Samuel D. Parkinson said. Awarding of trophies, entertainment, and informal dancing will follow the dinner.

Anyone interested in attending, and who is not already signed up, should contact John Taft or anyone else on the executive board of the Nautical Association. Tickets are now on sale at \$1.00 each.

T. E. N.

(Continued from Page 1)

bending power, corrosion resistance, bacteriological resistance, and cost, and how each is being solved through extended scientific research.

Finally Peter C. Johnson Jr., '45, has written of the beat frequency circuit in "Capacitance Becomes Boss". In this article Johnson describes the underlying reasons for the high degree of sensitivity of the beat frequency meter, which enables it to detect objects and measure them with an accuracy often surpassing that of the electric eye.

Puck Men To Meet B. U.

(Continued from Page 3)

in the Boston Skating Club on Wednesday. The lineup for tomorrow's contest is as follows:

First Line

Johnny White L.W.
Dick Bettes R.W.
Dick Merrow C.
Fred Kaneb (Capt.) L.D.
Charlie Seifert R.D.
Al Lashjian, Bob Mason G.

Second Line

Bob Gillen, l.w.; Bud Willard, c.; Russ Noreen, r.w.; Bill Verrochi, l.d.; Johnny Burdakin, r.d.
Reserves—Roger Patterson and Paul Cook.

All-Tech Sing

(Continued from Page 1)

"Stout Stout Hearted Men" from the Student Prince by Romberg. Halfway through the competition the Glee Club, also under the direction of Mr. Durham, will sing "Go Down Moses" and "All Praise to God Eternal."

During the same intermission the Techonians, with Robert A. Schwartz, '45, as leader, will play "Moonglow," and "Royal Flush."

Dr. Karl T. Compton, Mr. Orville B. Denison, '11, of freshman camp fame, Professor and Mrs. James R. Jack, Dean and Mrs. Walter MacCornack, and Mr. George S. Durham will be the judges at the affair tonight.

The silver cup was presented to the Baton Society last year by Professor F. Alexander Magoun, for the purpose of promoting interest in the Sing, formerly an annual affair, but which had died out for a few years. Alpha Tau Omega was the winner of the cup last year.

The competition will end around 10:00 P.M., and shortly after the presentation of the cup dancing will begin. Refreshments are to be served at midnight.

Quadrangle Club Entertains Frosh

Attended by about 20 out of the 24 section leaders of the freshman class, a party was given last night by the Quadrangle Club, Sophomore honorary society, in the Embassy Room of the Hotel Kenmore. As their first active step toward fostering freshman-Sophomore relations, the Q Club entertained the

Architects Plan Dinner Party

Play Will Be Given; Girls To Cook Food

The Architectural Society met Monday afternoon in the Emerson Room at the Institute with President Walter A. Netsh, '43, presiding. Netsh announced the program for the evening of the Fall Dinner which will be held Wednesday, December 9. The plans for the evening include a cocktail party which will be followed by a buffet dinner in the Emerson Room. After the dinner a play is to be given in the freehand drawing room.

The play is to be an intimate revue in 12 scenes. It is called "Fifty Girls, Fifty." Netsh says that it is rumored that there is a shortage of girls and that there will have to be some imported.

It was decided at the meeting that because of the war and the cost of the food the dinner will be cooked by the girls instead of hiring a caterer. In order to expedite the preparations for the dinner, President Netsh urges all members to get their tickets early. The tickets for the evening are \$1.00.

freshmen with coke, ginger ale, and beer.

The Quadrangle Club prize to the most outstanding freshman was explained at this time to these members of the class of 1946, and a new plaque bearing the name of James A. Leonard, '45, the first winner was displayed. This plaque, recently made, is to be placed in Walker Memorial.

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